



PTO/SB/08A (08-03)

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Substitute for form 1449/PTO		Complete if Known	
		Application Number	10/619,662
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	July 15, 2003
		First Named Inventor	William Howard Roark
		Art Unit	1614
		Examiner Name	Unknown
		Attorney Docket Number	PC25132A
Sheet	1	of	19

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
ESO		US- 5,082,838	01/21/1992	Naka, et al	
ESO		US- 5,817,819	10/06/1998	Furuya, et al	
ESO		US- 5,948,780	09/07/1999	Peterson Jr., et al	
ESO		US- 6,008,243	12/28/1999	Bender, et al	
ESO		US- 5,747,486	05/05/1998	Sohda, et al	
ESO		US- 5,403,843	04/04/1995	Akimoto, et al	
ESO		US- 5,284,661	02/08/1994	Morimoto, et al	
ESO		US- 5,521,181	05/28/1996	Meyer, et al	
ESO		US- 6,166,019	12/26/2000	Meyer, et al	
ESO		US- 5,334,596	08/02/1994	Hartman, et al	
ESO		US- 4,835,157	05/30/1989	Press, et al	
ESO		US- 5,792,767	08/11/1998	Meyer, et al	
ESO		US- 5,378,704	01/03/1995	Weller III	
ESO		US- 3,296,070	01/03/1967	Topliss, et al	
ESO		US- 2002-0156061	10/24/2002	Barvian, et al	
ESO		US- 2003-0004172	01/02/2003	Harter, et al	
ESO		US- 2002-019377	02/14/2002	Jenkins, et al	
ESO		US- 2002-0151558	10/17/2002	Andrianjara, et al	
ESO		US- 2002-0156069	10/24/2002	Picard, et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
ESO	•	WO 95/35296	12/28/1995	Takatani, et al		
ESO	•	WO 99/09485	02/24/2000	McClure, et al		
ESO	•	WO 02/34726	05/02/2001	Noe, et al		
ESO	•	WO 01/12611	02/22/2001	Blagg		
ESO	•	WO 02/34753	05/02/2002	Bronk, et al		
ESO	•	WO 01/05389	01/25/2001	Stallings, et a		

Examiner Signature	/Eric Olson/	Date Considered	04/27/2006
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(Use as many sheets as necessary)

Sheet	3	of	19
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ESO	•	WO 98/54116	12/03/1998	Castelhano, et al		
ESO	•	WO 96/22991	08/01/1996	Meyer, et al		
ESO	•	WO 95/28405	10/26/1995	Furuya, et al		
ESO	•	WO 92/20687	11/26/1992	Chakravarty, et al		
ESO	•	WO 00/61583	10/19/2000	Klein, et al		
ESO	•	WO 00/04027	01/27/2000	Meyer, et al		

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ESO	6	EP 0935963	08/18/1999	McClure, et al		
ESO	6	EP 1138680	10/04/2001	Noe		
ESO	6	EP 0418797	03/27/1991	Baader, et al		
ESO	6	EP 0463592	01/02/1992	Baader, et al		
ESO	4	EP 0 915 093 A	05/12/1999	Okamura, et al		
ESO		EP 0 530 537 B1	01/08/1997	Akimoto, et al		

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/Eric Olson/

Date
Cons

04/27/2006

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Substitution for form 1449/PTO <div style="text-align: center; font-weight: bold; font-size: 1.2em;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <div style="text-align: center; font-style: italic; font-size: 0.8em;">(Use as many sheets as necessary)</div>		<div style="text-align: center; font-weight: bold; font-size: 1.1em;">Complete if Known</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">10/619,662</td> </tr> <tr> <td>Filing Date</td> <td>July 15, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>William Howard Roark</td> </tr> <tr> <td>Art Unit</td> <td>1614</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> <tr> <td>Attorney Docket Number</td> <td>PC25132A</td> </tr> </table>		Application Number	10/619,662	Filing Date	July 15, 2003	First Named Inventor	William Howard Roark	Art Unit	1614	Examiner Name	Unknown	Attorney Docket Number	PC25132A
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ESO	✓	EP 0 443 568 A1	08/28/1991	Morimoto, et al		
ESO	•	EP 0 443 568 B1	06/12/1996	Morimoto, et al		
ESO	/	EP 0 492 316 A1	07/01/1992	Akimoto, et al		
ESO	4	EP 0 502 725 A2	09/09/1992	de Laszlo		
ESO	/	EP 0 530 537 A1	03/10/1993	Akimoto, et al		
ESO	*	EP 0 416 740 A2	03/13/1991	Smith, et al		

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ESO	•	EP 0 297 661 B1	09/16/1992	Janssens, et al		
ESO	•	EP 0 438 261 A2	07/24/1991	Akimoto, et al		
ESO	•	EP 0 297 661 A1	01/04/1989	Janssens, et al		
ESO	•	EP 0 282 133 B1	09/14/1988	Janssens, et al		
ESO	•	EP 260 057 A2	03/16/1988	Schmalzl, et al		
ESO	•	EP 0 463 592	01/02/1992	Baader, et al		

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ESO		GB 2 097 396 A	11/03/1982	Seivaku, et al		
ESO		DE 41 37 437 A1	05/19/1993	Furrer, et al		
ESO		JP 5193260	03/08/1993			
ESO		DE 2441959	03/13/1975	Egli, et al.		
ESO		FR 4279M	08/16/1966	Vernin, et al		
ESO		JP 08 151380 A	06/11/1996			

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ESO	•	WO 02/064547	02/22/2002	Barvian, et al		
ESO		WO 02/064598	08/22/2002	Harter, et al		
ESO	'	WO 02/064572	02/22/2002	Andrianjara, et al		
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NON PATENT LITERATURE DOCUMENTS			
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ESO		Montana, et al, "The design of selective non-substrate-based matrix metalloproteinase inhibitors", Current Opinion in Drug Discovery & Development, 2000; 3(4); pp 353-261	
ESO		Clark, et al, "Matrix metalloproteinase inhibitors in the treatment of arthritis", Current Opinion in Drug Discovery & Development, 2000; 2(1); pp 16-25	
ESO		Chen, et al, "Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design", J. Am. Chem. Soc., 2000, 122; pp 9648-9654	
ESO		Derwent Abstract 96-068630/07, "New fused imidazole cpds. - possess inhibitory activity of adhesion molecule expression (Eng.)"	
ESO		Derwent Abstract 93-168431/21, "New Thiazolo-pyrimidine disone derivs. for treating arteriosclerosis"	
ESO		Derwent Abstract 91-001547/01, "New sulphur-Contg. fused pyrimidine cpds. - are endothelin and interleukin inhibitors for treatment and prevention of myocardial infarction, auto:immune diseases,etc."	
ESO		Derwent Abstract, 93271 E/44, "Cyclised pro-form of 5-fluoro-uracil derivs. - are orally administered antitumour agents without side effects of parent"	
ESO		Kaul, et al, "2-14C-1-Allyl-3,5-diethyl-6-chlorouracil II: Isolation and Structures of the Major Sulfur-Free and Three Minor Sulfur-Containing Metabolites and Mechanism of Biotransformation", Journal of Pharmaceutical Sciences, Vol. 71, No. 8, August 1982; pp 897-900	
ESO		Kaul, et al, "Structure of a novel sulphur-containing metabolite of Acluracil (1-allyl-3,5-diethyl-6-chlorouracil)", Xenobiotica, 1982, Vol. 12, No. 8; pp 495-498	
ESO		Kaul, et al, "Identifizierung eines dritten S-haltigen Metaboliten von 1-Allyl-3,4-diethyl-6-chloruracil und Bildungsmechanismus der SCH - Metaboliten", Arzneim.-Forsch./Drug Res., 1982; 32(I)(6); pp 610-612	

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		Application Number	10/619,662
		Filing Date	July 15, 2003
		First Named Inventor	William Howard Roark
		Art Unit	1614
		Examiner Name	Unknown
		Attorney Docket Number	PC25132A
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite. No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ESO		Brown, et al, "The Synthesis of Some 1-Substituted Cytosine and Uracil Derivatives", J. Chem. Soc., 1972; pp 2385-2391	
ESO		Pecorari, et al, "Synthesis and Biological activity of Pyrimido [2,1-b] [1,3] Thiazine, [1,3]Thiazino[3,2-a]Purine and [1,2,3]Triazolo[4,5-d][1,3]Thiazino [3,2-a]Pyrimidine Derivatives and thiazole Analogues (*)", IL Farmaco, 46 (7,8), 1991; pp 899-911	
ESO		De Melo, et al, "5-fluoro (3H) pyrimidine-4-ones; syntehe, reactivite et proprietes pharmacologiques", Ann. Pharmaceutiques francaises, 1992, 50, n1; pp 39-51	
ESO		Faskhutdinow, et al, Kim. Farm. Zh. 1988; 22(5); pp 557	
ESO		Tozkoparan, et al, "Condensed Heterocyclic Compounds: Synthesis and Antiinflammatory Activity of Novel Thiazolo[3,2-a]pyrimidines", Arch. Pharm. Pharm. Med. Chem. 331 (Weinheim, Germany): 1998; pp 201-206	
ESO		Chem. Abstr. 1992; 117; pp 143023e	
ESO		Chem. Abstr. 1988; 109; pp 162901r	
ESO		Boger, et al, "Identification of a novel class of small-molecule antiangiogenic agents through the screening of combinatorial libraries which function by inhibiting the binding and localization of proteinase MMP2 to integrin. alpha. V. beta 3", Journal of the American Chemical Society 2001; 123: pp 1280-1288	
ESO		Silletti, et al, "Disruption of matrix metalloproteinase 2 binding to integrin alpha v beta 3 by an organic molecule inhibits angiogenesis and tumor growth in vivo", Proceeding of the National Academy of Sciences of the United States of America, 2001; 98(1); pp 119-124	
ESO		Milton, et al, "Biaryl acids: novel non-nucleoside inhibitors of HIV reverse transcriptase types 1 and 2", Bioorganic & Medicinal Chemistry Letters, Oxford, GB 1998; 8: pp 2623-2628	

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ESO		Hirota, et al, "Synthesis of 6-Substituted Thieno[2,3-d]pyrimidine-2,4(1H,3H)-diones", J. Heterocycl. Chem., Vol 12, 1974; pp 717-721	
ESO		Rajappa, et al, "Synthesis of Thiophenes: Part III* - Further Variations in the Substitution Pattern", Indian J. Chem., Vol 12, 1974; pp 1-3	
ESO		HCAPLUS Abstract 1998: 542760; "Preparation of bicyclic-substituted hexahydrobenz [e] isoindoles as a1 adrenergic antagonists"	
ESO		HCAPLUS Abstract 1990: 514925; "Pyrimidines. 65. Synthesis of 6-substituted thieno [2,3-d] pyrimidine-2 4(1H,3H) - diones"	
ESO		Derwent Abstract 2000-687031/67, "New Xanthine derivatives are inhibitors of cellular processes mediated by interleukin-12 for treating inflammatory responses e.g. chronic inflammatory disease, chronic intestinal inflammation, arthritis, psoriasis and asthma (Eng)"	
ESO		Derwent Abstract 92-415690/50, "New Pyrimidinone derivs are angiotensin II antagonists for treating hypertension, congestive heart failure, renal failure, Alzheimer's disease, amnesia, schizophrenia, etc. (Eng)"	
ESO		Derwent Abstract 92-302020/37, "New fused pyrimidinone derivs. - are antitensin II antagonists to treat hypertension, congestive heart failure, Alzheimer's disease, amnesia, anxiety, schizophrenia, etc. (Eng)"	
ESO		Derwent Abstract 91-254180/35, "New angiotensin-II antagonising fused thiphenes derivatives - used for treating hypertension and circulatory diseases including heart diseases and stroke"	
ESO		Derwent Abstract 89-192246/26, "New 3-piperidinyl:alkyl-thieno: or furo pyrimidine-2,4-di:one cpds. - usefule as seratonin antagonists and alpha adrenergic blockers"	
ESO		Derwent Abstract 2000-195023/17, "New ipiperazinyl pyrimidine dione derivatives used as selective alpha-ID adrenoceptor antagonists for treating benign prostatic hyperplasia, hypertension, detrusor instability and incontinence (Eng)"	

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ESO		Derwent Abstract 2001-158207/16, "New piperazinyl pyrimidine dione derivatives are selective alpha-1D adrenoceptor antagonists used for treatment of e.g. hypertension"	
ESO		Derwent Abstract 96-362624/36, "New Bi:cyclic substd. hexa:hydro-benz-isindole derivs. - are alpha-1 adrenergic antagonists, used in treatment of benign prostatic hyperplasia (Eng)"	
ESO		Derwent Abstract 89-008928/02, "New bi:cyclic heterocycle substd. hexa-hydro-1H-azepine-and pyrrolidine cpds., have anti-histaminic properties, for treatment of e.g. allergic rhinitis, allergic asthma, etc."	
ESO		Derwent Abstract 88-258874/37, "New 1-alkyl substd. benzimidazole derivs. - having anti-histaminic activity and used for treating allergic diseases such as allergic asthma"	
ESO		Derwent Abstract 91-216939/30, "New condensed heterocyclic glutemic acid dervis., - active against enzyme using folic acid and antitumour agents for treating e.g. leukemia"	
ESO		Derwent Abstract 99-080786/07, "New thiophene-and pyrrole-based hetero-aromatic compounds - are ant(agonists of cell surface receptors, useful e.g. for inhibiting unwanted cell growth e.g. due to cancer (Eng)"	
ESO		Derwent Abstract 97-165234/15, "New thieno-pyrimidine derivs. are endothelin antagonists - useful for treating e.g. acute renal failure, cardiac infarction, liver insufficiency, organ hypo-function and vasoconstriction (Eng)"	
ESO		Derwent Abstract 96-384384/38, "New 2,4(1H,3H)-di:oxo-5-aminoalkyl)thieno(2,3-d)-pyrimidine derivs. - are gonadotropin-releasing hormone antagonistic agents useful in prevention and treatment of sex hormone dependent diseases (Eng)"	
ESO		Derwent Abstract 95-382760/49, "Fused bicyclics as gonadotropin releasing hormone antagonists - used for treating hormone related cancers, benign prostatic hypertrophy, acne vulgaris, etc. (Eng)"	
ESO		Derwent Abstract 93-299636/38, "New condensed heterocyclic oligo-glutamate derivs. - used as water soluble antitumour agent and have bood storage stability in cells"	

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ESO		Derwent Abstract 93-078155/10, "New antitumour condensed pyrimidine derivs. - for treating chorlocarcinoma, leukemia, breast adenocarcinoma, squamous cells carcinoma, lung cancer, lympho sarcoma, etc. and also rheumatism (Eng)"	
ESO		Derwent Abstract 92-218561/27, "Antitumoural condensed heterocyclic oligo:glutamate derivs. - for treating leukemia, squamous cell carcinoma, lymphatic sarcoma, small cell cancer of the lung etc. (Eng)"	
ESO		Derwent Abstract 96-267825/27, "New hexa:hydro benz(e)isoindole cpds. - are useful in treatment of benign prostatic hyperplasia (Eng)"	
ESO		Derwent Abstract 94-248420/30, "Furano- and thieno- (3,2-c)piperidone carboxamido-acids - are fibrinogen receptor antagonists, inhibit blood platelet aggregation, used in thrombi and emboli treatment"	
ESO		Derwent Abstract 91-075241/11, "Heterocyclic peptide derivs. useful as renin inhibitors - in the treatment of hypertension, congestive heart failure, retro-viral diseases and central nervous system disorders"	
ESO		HCAPLUS Abstract 1996:580284: "Preparation of heterocyclyl-substituted benz[3]isoindoles as x1 adrenergic antagonists"	
ESO		Liverton, et al, "Nonpeptide glycoprotein IIb/IIIa inhibitors: substituted quinazolinones and quinazolinones as potent fibrinogen receptor antagonists", Bioorganic & Medicinal Chemistry Letters, 1998; 8(5); pp 483-486	
ESO		Ogawa, et al, "Studies on positive inotropic agents V", Chem Pharm Bull, 1988; 36(6); pp 2253-2258	
ESO		Chemical Abstract CHEMCATS: AN 2001: 142935 for Order no. A1240/0056923 "Screening Collection", Zelinsky Institute of Organic Chemistry, Russia, 2000	
ESO		Chemical Abstract CHEMCATS: AN 2001:2519212, 2001:2519208, and 2001:2519206 for Order no.s CHS 1938401, CHS 1938397, and CHS 1938395, respectively, "Chemstar Product List", Chemstar Ltd. Russia, 2001	

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ESO		Chemical Abstract: CHEMCATS: AN 2001:2624610, 2001:2320591, 2002:928648, 2002:925092, 2002:926648, and 2002:927094 for Order nos. STOCKIN-22756, A1336/0060317, STOCKIS-85693, STOCKIS-77305, STOCKIS-81043, and STOCKIS-82046, respectively, "Ambinter:Exploratory Library", Ambinter, Paris, 2002	
ESO		Chemical Abstract CHEMCATS: AN 2001:1621701, 2001:1621700, 2001:1433023, 2001:1433022, and 2001:1433020 for Order nos. Z-007159, Z-007158, C-055659, C-055658, and C-055656, respectively, "Scientific Exchange Product List", Scientific Exchange, Inc., USA, 2001	
ESO		Chemical Abstract: Abstract No. 54:2375e for Nesterov, et al, Compound: Pyrimido '5,4-d pyrimidine-2, 4(1H, 3H)-dione, 6-(benzylthio)-, RN 00382-60-3, USA 1960	
ESO		Chemical Abstract CAPLUS: Abstract No. 128:243870 (1998:224550) for Murata, et al, "Regioselective synthesis of 6-substituted lumazines by using highly reactive lumazine 6-triflate", Germany 1997; 17-22	
ESO		Chemical Abstract CAPLUS: Abstract No. 128:243871 (1989:224554) for Kim, et al, "Side chain reactions of 6-acetyl-1,3,7-trimethylumazine", Germany 1997; 41-44	
ESO		Chemical Abstract CAPLUS: Abstract No. 126:212115 (1997:100238) for Abou-Hadeed, et al, "Pteridines CVIII Reactions of 6,7-dichloro-1,2-dimethylumazine with sulfur nucleophiles", Pteridines 1996; 7(4); 113-122	
ESO		Chemical Abstract CAPLUS: Abstract No. 107:58977 (1987:458977) for Sladowska, et al, "Synthesis and properties of amides of 1-benzyl-3-methyl-an 1-butyl-3-phenyl-7-methyl-4-oxo-2-thioxo (2,4-dioxo)-1,2,3,4-tetrahydropyrido '2,3-dipyrimidine-6-carboxylic acids", Farmaco, Ed.Sci. 1986; 41(12); 954-963	
ESO		Chemical Abstract CAPLUS: Abstract No. 87:152121 (1977:552121) for Lespagnol, et al, "Study on antifolic agest. 1. Derivatives of 4-nitrobenzene-1,3-dicarboxylic acid", Bull. Soc. Pharm. Lille 1977; 33(1); 67-77	
ESO		Chemical Abstract CAPLUS: Abstract No. 101:16805 (1984: 416805) for Ghose, et al, "A general distance-geometry three-dimensional receptor model for diverse dihydrofolate reductase inhibitors", J. Med. Chem. 1984; 27(7); 901-914	
ESO		Reiter, et al, "Inhibition of MMP-1 and MMP-13 with phosphinic acids that exploit binding in the S2 pocket", Bioorganic & Medicinal Chemistry Letters, 1999; 9; 127-132	

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ESO		Derwent Abstract 95-051281/07, "New benzo- and pyrido- 1,2,4-thiadiazine dioxide derivs - are angiotension II inhibitors, use in treatment of hypertension and congestive heart failure"	
ESO		Chemical Abstracts, Vol 125, No. 13, 1996, Abstract No. 167964d; XP002198554	
ESO		Database Crossfire Bulletin, Online, Database accession no. 786662; XP002198556	
ESO		Shkurko, et al, Khim. Geterotsikl. Soedin, 1977; 6; pp 821-824	
ESO		Database Crossfire Bulletin, 'Online, Database accession no. 7297869; XP002198557	
ESO		Yamamoto, et al, "Direct Introduction of ACYL and Ethoxycarbonyl, Groups Into Pyrimidine Through the Trimethyl-Stannyl Derivatives" Heterocycles, 1995; 41(6); pp 1275-1290	
ESO		Database Crossfire Bulletin, 'Online, Database accession no. 139954; XP002198558	
ESO		Hunt, et al., "Pyrimidines. Part X. Pyrimidine, 4:6-Dimethylpyrimidine, and their 1-Oxides," J. Chem. Soc., 1959; pp 525-530	

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ESO		Database Crossfire Bulletin, 'Online, Database accession no. 791572; XP002198559	
ESO		Sakasi, et al, "Studies in Pyrimidine Derivatives. XVII. Synthesis of Pyrimidine-4-Carboxyl Heterocycles", 1979; 13; pp 235-236	
ESO		Chemical Abstracts, Vol. 79, No. 11, Abstract No. 66394; XP002198555	
ESO		Chemical Abstracts CA Online! CASREACT AN 105:226286 of Vinsova, J. et al, "Antituberculotics XXXVII. Preparation of the functional derivatives of 6-methyl-2-pyridinecarboxylic acid substituted in position 4 and its 1-oxides" CESH. FARM. 1985;34(10:430-436 (XP002202692)	
ESO		Hanauske-Abel HM. et al, "Pyrroloquinoline quinone and molecules mimicking its functional domains. Modulators of connective tissue formation?" Federation of European Biochemical Studies Letters 1987, 214(2); 236-243 (XP002202687)	
ESO		Rateb, et al, "Synthesis of heterocyclic compds. from delta-unsaturated 1,3-diketo-esters Part III. ethyl 3-cyano-6-styryl-2-pyridone-4-carboxylates and their degradation products", Journal of the Chemical Society 1960, 1430-1434 (XP002202688)	
ESO		Chemical Abstracts: AN 61:6987c "Preparation of pyridinedicarboxaldehydes" (XP002202689)	
ESO		Chemical Abstracts: AN 64:6607g "Compounds with potential antitubercular activity" (XP002202690)	
ESO		Chemical Abstracts: AN 55:10440b "Solubilizing agents. V. Pyridinecarboxamides" (XP002202691)	

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